

# VISHAL MAURYA


Delhi, India

📞 9354643132 ✉️ vishallmaurya210@gmail.com in LinkedIn 🌐 GitHub



## EDUCATION

- **National Institute of Technology, Jamshedpur** Aug 2023 – Apr 2026  
Master of Computer Application (MCA), **CGPA: 9.565**
- **Keshav Mahavidyalaya, University of Delhi** Jun 2020 – Jun 2023  
Bachelor of Science (Hons) in Computer Science, **CGPA: 9.65**

## PUBLICATION

- **DWAEF: Deep Weighted Average Ensemble Framework** 
  - Engineered an innovative Deep Weighted Average Ensemble Framework leveraging advanced machine learning, deep learning, and fuzzy logic techniques in **Natural Language Processing (NLP)** to detect sarcasm within sentences. Published in Data Science.

## PROJECTS

- **veda-lib: Comprehensive Data Preprocessing Library** 
  - Developed a **Python library** that automates data preprocessing and exploration, reducing the time required for machine learning model preparation by 30%.
  - Designed custom functions that improved **data processing** efficiency, saving an average of 30 hours per month. Published the library on PyPI, making it accessible to a broader audience.
  - Technologies Used: Python, NumPy, Pandas, Scikit-learn, PyPI, Github.
- **Meditation Site**
  - Conceptualized and created a comprehensive website catering to both regular and premium users, offering
    - \* Curated a collection of over 100 meditation songs and music tracks, alongside 50+ video podcasts, increasing user engagement by 25%.
    - \* Developed and integrated a chatbot that analyzes user input to provide personalized meditation recommendations, improving user satisfaction by 30%.
  - Technologies Used: Node.js, HTML5, CSS3, JavaScript, MongoDB.
- **Sentiment Analysis on Twitter Self-Annotated Dataset** 
  - Conducted an in-depth sentiment analysis using a **self-annotated** dataset from Twitter, processing over 10,000 data points to derive actionable insights.
  - Applied advanced techniques like TF-IDF vectorizer and Support Vector Machines (SVM), achieving an accuracy rate of **89%**, and improving model performance by 20% compared to previous iterations.
- **Quiz Application using Java**
  - Designed and implemented an interactive quiz application using core Java concepts, boosting user engagement by 40% and enhancing knowledge retention through improved performance in follow-up quizzes.




## RESPONSIBILITY AND ROLES

- **Grievance Redressal Committee Member, Keshav Mahavidyalaya** Jan 2023 – Mar 2023
  - Resolved over 30 student grievances by implementing streamlined processes, improving response efficiency by 15%.
  - Collaborated with faculty to develop and introduce three new policies, reducing recurring issues by 25%.
  - Enhanced communication channels between students and the committee, increasing student satisfaction scores by 20%.
- **Technical Team Member, (SCSE), NIT Jamshedpur** Jan 2024 – Jan 2025
  - Resolved 50+ technical issues, ensuring uninterrupted operation of academic and administrative systems.
  - Contributed to 10+ coding competitions, enhancing team performance and fostering a culture of innovation.

## SKILLS

- **Programming Languages:** C++, Java, Python
- **Technologies:** Machine Learning, Deep Learning, Data Mining, Node.js, JavaScript, PHP, Wordpress, MySQL
- **Concepts:** Data Science, Git, Competitive Programming, OOP, Data Structures and Algorithms, Research, Web Scraping
- **Leadership:** Supervised teams in completing three significant student projects, achieving a 30% boost in participation.
- **Public Speaking:** Delivered presentations to audiences of 100+ during university events, receiving positive feedback for clarity and engagement

## ACHIEVEMENTS

- **Hackerrank:** Achieved a 5-star rating in C++ and demonstrated expertise in tackling coding challenges. 
- **Codeforces:** Successfully solved 450+ problems (Rating: 1131). 
- **Leetcode:** Completed 500+ problems (Max Rating: 1797). 
- Winner of college-level Machine Learning competition.